WHAT IS CLAIMED IS:

2	1. A tool holding and working piece-clamping assembly for a machine
3	with a tool, the tool holding and working piece-clamping assembly comprising:
4	a stand with a top adapted to be securely connected to the machine;
5	a driving device mounted on the top of the stand;
6	a threaded rod rotatably mounted on the stand and driven by the driving
7	device;
8	a rail assembly mounted on the stand and parallel to the threaded rod;
9	a brake post mounted on the stand and parallel to the threaded rod;
10	a working piece-clamping device with an upper clamping device
11	slidably connected to the rail assembly and a lower clamping device
12	corresponding to the upper clamping device and adapted to be secured on the
13	machine, and the working piece-clamping device further comprising:
14	a connecting plate connected to the rail assembly;
15	an upper base attached to the connecting plate for the upper
16	clamping device being attached to the upper base;
17	a contact switch with an actuating arm mounted on the connecting
18	plate; and
19	a brake electrically connected to the contact switch and slidably
20	mounted on the brake post; and
21	a tool holding device slidably connected to the rail assembly and
22	comprising:
23	a connecting base slidably connected to the rail and screwed with
24	the threaded rod;

1	at least one pushing block mounted on the connecting base and
2	corresponding to the connecting plate;
3	an actuating block attached to the connecting base and aligning
4	with the actuating arm of the contact switch; and
5	a moving base attached to the connecting base, located between
6	the upper clamping device and the lower clamping device and adapted for the
7	tool being mounted on the moving base.
8	2. The tool holding and working piece-clamping assembly as claimed in
9	claim 1, wherein the rail assembly comprises two rails attached to the stand and
10	respectively located at two sides of the threaded rod.
11	3. The tool holding and working piece-clamping assembly as claimed in
12	claim 2 further comprising an upper slider attached to each respective rail for the
13	connecting plate being attached between the upper sliders.
14	4. The tool holding and working piece-clamping assembly as claimed in
15	claim 2 further comprising a lower slider attached to each respective rail for the
16	connecting base being attached between the lower sliders.
17	5. The tool holding and working piece-clamping assembly as claimed in
18	claim 1 further comprising a housing for the stand secured thereto adapted be
19	secured on the machine,
20	wherein the housing has a window with a top end and a bottom end for
21	the upper base and the moving base moveably extending through the window.
22	6. The tool holding and working piece-clamping assembly as claimed in

base attached to the housing for the lower clamping device being mounted on the

claim 5, wherein the working piece-clamping device further comprises a lower

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lower base.

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- 7. The tool holding and working piece-clamping assembly as claimed in claim 6 further comprising a bellows shutter with two ends respectively attached to the top end of the window and the upper base.
- 8. The tool holding and working piece-clamping assembly as claimed in claim 6 further comprising a bellows shutter with two ends respectively attached to the upper base and the moving base.
- 9. The tool holding and working piece-clamping assembly as claimed in claim 6 further comprising a bellows shutter with two ends respectively attached to the moving base and the lower end of the window.
 - 10. The tool holding and working piece-clamping assembly as claimed in claim 6 further comprising a first bellows shutter with two ends respectively attached to the top end of the window and the upper base;
- a second bellows shutter with two ends respectively attached to the upper base and the moving base; and
- a third bellows shutter with two ends respectively attached to moving base and the lower end of the window.